

Caen, February 5th 2020.

Dear Paco, dear Spanish team, dear all project partners,

thank you for sharing your point of view through your letter of January 22nd 2020 and we understand your disappointment and questioning of not 3D printing the carbody.

The vote for the best carbody design led in December to Swedish student Patrick's drawing, which looks clearly great. However going deeper into technical details leads to the conclusion that conception defaults contained in the file make it impossible to 3D print. Let me repeat below the reasons that I understood.

- This carbody option is dimensioned too wide for the existing EEVEE vehicle that was in motion for the first time in October in Sweden. Consequently it cannot be fixed to the existing chassis because of no possible anchoring spots.
- A possibility would be then to build a second and wider floor for the vehicle to support this carbody. This would lead to a heavier vehicle than this existing one whose weight is too high with slow motion. The vehicle would potentially not be in the capacity of motion at all.
- Moreover, its complex shape does not allow any door to open in real.
- Under these conditions the company professional tried to modify the file at least on the width. It turns out that a conception mistake has been made early in the file which does not allow it to be saved for 3D printing purposes. Please believe that Denis and this professional technician spent together long hours to track this conception mistake, unfortunately unsuccessfully. They just can't find it although they really tried hard.

As a second option, Denis thought of course of printing the next vote. Second and third votes are suggestions that do not meet the Eco Marathon requirements in real. Fourth vote turns out to be the first 3D printable option and meeting the Eco marathon requirements.

These circumstances put Denis facing the decision of ordering an expensive 3D printing of a carbody that the partner students had not voted for. Denis finally chose to respect the partner students' vote by not ordering any 3D printing at all.

We hope that teachers will explain their students these reasons to allow them to understand and to collaborate in new discussions for the carbody till the mobility to Spain.

Clearly things did not happened the way teachers had thought of, this is project's real life !

Last but not least, considering the expenses please send all invoices AND bills as soon as possible and before the summer holidays since the French agency will not allow any paiement after August 2020.

We hope that this lettre contributes to the ongoing of our project. We all know that you are doing your best to make this final learning meeting in your school a enriching and heartfully event for closing our project.

Kind regards,

Odile, for the French team